

5 **METHOD OF SMOOTH AUTOMATIC EXPOSURE OR GAIN CONTROL IN A MOS**
IMAGE SENSOR

Abstract of the Disclosure

10 In a CMOS image sensor, it is important to control the exposure time or gain. For
varying changes in ambient light, the exposure time of the array must be changed. The present
invention describes a method for controlling the exposure time or gain to ensure a smooth and
fast change in the brightness of the obtained image. If the exposure time is to be decremented
or incremented, then the gain control is increased or decreased, respectively to smooth out the
changes in image brightness. This substantially reduces image flicker.